

Message

From: Cahoon, Larry [cahoon@uncw.edu]
Sent: 7/25/2019 1:59:02 PM
To: Strynar, Mark [Strynar.Mark@epa.gov]
Subject: RE: DuPont air emissions report

Mark, so true – very few folks have the technical knowledge to understand this stuff, and even then, if you're not hunting for something, you won't see it. But I have also noticed that folks with technical knowledge often use that to snow those who don't – as a teacher I'm very sensitive to how an audience handles what they're told, and I work hard at translating technical stuff to less knowledgeable folks, so I notice the disjuncture when technically savvy folks don't translate or even hide the juicy stuff.

Larry

From: Strynar, Mark <Strynar.Mark@epa.gov>
Sent: Thursday, July 25, 2019 9:49 AM
To: Cahoon, Larry <cahoon@uncw.edu>
Subject: RE: DuPont air emissions report

Larry,

I sort of liken this to "EPA knowing" as part of the PMN process. We are inundated with lots of large number of pages of documents someone who knows nothing of the topic needs to sift through and see if it is important. They (NCDAQ) and EPA often get this stuff so the company has plausible deniability, and can say see we told you. It is a sham.

I have been working on this topic for 17 years and I still don't completely understand often what it is I am looking at. How can I expect people with way less experience than I on this topic to be held accountable for knowing what here is important.

Its daunting.

Mark

From: Cahoon, Larry <cahoon@uncw.edu>
Sent: Thursday, July 25, 2019 9:37 AM
To: Strynar, Mark <Strynar.Mark@epa.gov>
Subject: RE: DuPont air emissions report

Hi Mark, here you go. It appears they very carefully avoided mention of the PFAS going to water discharge, but that's the logical chemistry, isn't it? It also appears that NC DAQ knew much more about all this going fairly far back, but did not mention aqueous PFAS discharges to NC DWQ, not that DuPont said much, either BTW, the letter I've also attached is pretty interesting in that regard.

Larry

From: Strynar, Mark <Strynar.Mark@epa.gov>
Sent: Thursday, July 25, 2019 9:10 AM
To: Cahoon, Larry <cahoon@uncw.edu>
Subject: RE: DuPont air emissions report

Thanks Larry. I have forwarded this on to my Air colleagues to take a look at.

I would love the other reports if you have them as well.

Thanks,

Mark

From: Cahoon, Larry <cahoon@uncw.edu>
Sent: Tuesday, July 23, 2019 1:06 PM
To: Strynar, Mark <Strynar.Mark@epa.gov>
Subject: DuPont air emissions report

Hi Mark, I got this from a former DAQ inspector in the FRO. You may find it quite interesting, as it connects the PFAS air emissions to the PFAS water discharges via the scrubber systems DuPont used. I have a 2013 and a 2017 report as well if you're interested.
Best wishes.

Larry

From: Strynar, Mark <Strynar.Mark@epa.gov>
Sent: Thursday, May 30, 2019 8:42 AM
To: Cahoon, Larry <cahoon@uncw.edu>
Subject: RE: Article

Hi Larry. Those that done have a CAS mean we have yet to discover a chemical in Scifinder (CAS) that is consistent with the formula or structure as drawn. So yes they may be new.

As far as mono fluoro malonate, I have looked extensively but have not found it yet. There is also the possibility for difluoro malonate I am told but have not seen that yet either.

Mark

From: Cahoon, Larry <cahoon@uncw.edu>
Sent: Wednesday, May 29, 2019 1:09 PM
To: Strynar, Mark <Strynar.Mark@epa.gov>
Subject: RE: Article

Mark, two more questions: some of these compounds don't have CAS #s – I presume they are 'new to science'? Also, have you detected any mono-fluoro malonate or its hydrolysis product? That was a compound a DuPont whistleblower told me about.

Larry

From: Strynar, Mark <Strynar.Mark@epa.gov>
Sent: Wednesday, May 29, 2019 10:18 AM
To: Cahoon, Larry <cahoon@uncw.edu>
Subject: RE: Article

FYI,

Here is a paper on additional PFAS on the Cape fear I published last month with my former post-doc James McCord. I look forward to reading this and any follow up work. Cheers.

Mark

From: Cahoon, Larry <cahoon@uncw.edu>
Sent: Wednesday, May 29, 2019 10:14 AM
To: Strynar, Mark <Strynar.Mark@epa.gov>
Subject: RE: Article

Hi Mark, here you go. BTW, I'm on to another angle in the GenX story – what NC DAQ knew and when they knew it.

Larry

From: Strynar, Mark <Strynar.Mark@epa.gov>
Sent: Wednesday, May 29, 2019 10:12 AM
To: Cahoon, Larry <cahoon@uncw.edu>
Cc: Williams, Antony <Williams.Antony@epa.gov>
Subject: FW: Article

Larry,

Is it possible for you to send me a copy of your recent paper in link below.

Thanks
Mark

From: Williams, Antony
Sent: Wednesday, May 29, 2019 7:36 AM
To: Strynar, Mark <Strynar.Mark@epa.gov>
Subject: Article

Mark,

Do you happen to have a copy of this article

<https://www.sciencedirect.com/science/article/pii/B9780128157305000132#!> That you can share? Thanks

Antony J. Williams
National Center for Computational Toxicology
U.S. Environmental Protection Agency
109 T.W. Alexander Drive
Room D131I, Mail Drop D143-02
Research Triangle Park, NC 27711

Office Phone: 919-541-1033
Mobile Phone: Ex. 6 Personal Privacy (PP)

Try out the [CompTox Chemicals Dashboard](#) and access data for almost 875,000 chemical substances

Publications

- **EPA CompTox Chemicals Dashboard related**

- 1) Generalized Read-Across (GenRA): workflow in the EPA CompTox Chemicals Dashboard
- 2) OPERA models for predicting physicochemical properties and environmental fate end points
- 3) Evidence for Cross Species Extrapolation of Mammalian-Based HTS Assay Results
- 4) A Chemical Category-Based Prioritization Approach for Selecting 75 Per-and Polyfluoroalkyl Substances (PFAS) for Tiered Toxicity and Toxicokinetic Testing
- 5) An ecotoxicological view on neurotoxicity assessment

- **Mass Spectrometry and targeted/Non-Targeted Analysis**

- 1) Using prepared mixtures of ToxCast chemicals to evaluate non-targeted analysis (NTA) methods
- 2) "EPA's non-targeted analysis collaborative trial (ENTACT): Genesis, design, and initial findings"
- 3) "MS-Ready" structures for non-targeted high-resolution mass spectrometry screening studies
- 4) Integrating tools for non-targeted analysis research & chemical safety evaluations at the US-EPA

If I am not the Federal Contracting Officer or Representative (CO/COR) on your contract please DO NOT consider this technical direction (TD). Any TD will be formally identified and/or documented from your CO or COR.